

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082089.D
 Acq On : 13 May 2024 12:13
 Operator : JC\MD
 Sample : VN0513WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

Quant Time: May 14 03:30:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						05/14/2024
1) Bromochloromethane	7.818	128	23748	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	144472	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	129583	30.000	ug/l	0.00
System Monitoring Compounds						05/14/2024
27) 1,2-Dichloroethane-d4	8.582	65	64386	32.382	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.933%
60) 4-Bromofluorobenzene	12.847	95	59846	27.751	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.500%
63) Toluene-d8	10.571	98	187954	30.542	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	27245	20.211	ug/l	89
3) Chloromethane	2.359	50	34643	22.160	ug/l	96
4) Vinyl Chloride	2.512	62	34084	23.079	ug/l	94
5) Bromomethane	2.959	94	16894	21.922	ug/l	90
6) Chloroethane	3.124	64	22172	26.512	ug/l	# 87
7) Trichlorofluoromethane	3.495	101	45895	21.237	ug/l	92
8) Diethyl Ether	3.959	74	24443	23.365	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.383	101	30815	20.800	ug/l	56
10) 1,1-Dichloroethene	4.342	96	27883m	19.238	ug/l	
11) Methyl Iodide	4.595	142	26625m	20.101	ug/l	
12) Methyl Acetate	5.018	43	54507m	30.034	ug/l	
13) Acrolein	4.177	56	60096m	155.804	ug/l	
14) Acrylonitrile	5.724	53	106406	128.464	ug/l	99
15) Acetone	4.418	58	26178m	141.040	ug/l	
16) Carbon Disulfide	4.712	76	71738	17.865	ug/l	# 88
17) Allyl chloride	5.018	41	58067	22.819	ug/l	82
18) Methylene Chloride	5.277	84	38146	23.131	ug/l	85
19) trans-1,2-Dichloroethene	5.777	96	31185	20.670	ug/l	95
20) Diisopropyl ether	6.671	45	139735	24.819	ug/l	95
21) 1,1-Dichloroethane	6.571	63	70164	23.536	ug/l	94
22) cis-1,2-Dichloroethene	7.483	96	39637	21.560	ug/l	86
23) tert-Butyl Alcohol	5.518	59	39955m	117.108	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	119949m	22.955	ug/l	
25) Chloroform	7.965	83	66259	23.102	ug/l	94
26) Cyclohexane	8.253	56	54210	21.028	ug/l	# 86
29) 1,1-Dichloropropene	8.371	75	44747	20.804	ug/l	95
30) 2-Butanone	7.483	43	140837	127.029	ug/l	96
31) 2,2-Dichloropropane	7.488	77	56974	25.849	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	53132	21.479	ug/l	# 93
33) Carbon Tetrachloride	8.353	117	39347m	19.600	ug/l	
34) Benzene	8.612	78	153499	22.371	ug/l	95
35) Methacrylonitrile	7.777	41	32919	23.469	ug/l	95
36) 1,2-Dichloroethane	8.671	62	52060	22.601	ug/l	96
37) Trichloroethene	9.353	130	30777	18.313	ug/l	90
38) Methylcyclohexane	9.600	83	50580	19.467	ug/l	91
39) 1,2-Dichloropropane	9.624	63	42167	23.950	ug/l	99
40) Dibromomethane	9.706	93	26448	23.383	ug/l	85
41) Bromodichloromethane	9.888	83	54376	22.493	ug/l	95
42) Vinyl Acetate	6.600	43	540672	114.574	ug/l	# 94

05/14/2024
 Supervised By :Mahesh
 Padoda

05/14/2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082089.D
 Acq On : 13 May 2024 12:13
 Operator : JC\MD
 Sample : VN0513WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 14 03:30:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	61434	25.414	ug/l	#	92
44) Isopropyl Acetate	8.688	43	121450	28.300	ug/l	#	81
45) 1,4-Dioxane	9.694	88	17070	495.980	ug/l	#	58
46) Methyl methacrylate	9.682	41	43206	22.037	ug/l		84
47) n-amyl Acetate	12.494	43	89340	23.081	ug/l	#	87
48) t-1,3-Dichloropropene	10.835	75	58020	22.131	ug/l		92
49) cis-1,3-Dichloropropene	10.312	75	64077	23.118	ug/l	#	86
50) 1,1,2-Trichloroethane	11.023	97	34663	22.589	ug/l		96
51) Ethyl methacrylate	10.876	69	61939	21.387	ug/l	#	69
52) 1,3-Dichloropropane	11.165	76	66327	23.527	ug/l		100
53) Dibromochloromethane	11.365	129	35705	21.386	ug/l		94
54) 1,2-Dibromoethane	11.471	107	33315	21.769	ug/l		99
55) 2-Chloroethyl vinyl ether	10.159	63	166085	114.681	ug/l		95
56) Bromoform	12.582	173	20075	19.756	ug/l	#	94
58) 4-Methyl-2-Pentanone	10.447	43	313877	124.747	ug/l	#	85
59) 2-Hexanone	11.194	43	233848m	125.350	ug/l		
61) Tetrachloroethene	11.106	164	27120	18.861	ug/l		87
62) Toluene	10.629	91	156899	21.519	ug/l		99
64) Chlorobenzene	11.894	112	93633	20.996	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.965	131	29582	20.267	ug/l		87
66) Ethyl Benzene	11.965	91	167099	20.908	ug/l		96
67) m/p-Xylenes	12.076	106	125269	42.276	ug/l		98
68) o-Xylene	12.400	106	60162	20.521	ug/l		98
69) Styrene	12.412	104	99504	20.219	ug/l		97
70) Isopropylbenzene	12.700	105	154412	20.739	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.941	83	53216	24.836	ug/l		97
72) 1,2,3-Trichloropropane	12.994	75	47755m	23.840	ug/l		
73) Bromobenzene	12.982	156	31228	19.593	ug/l		71
74) n-propylbenzene	13.035	91	191187	21.764	ug/l		98
75) 2-Chlorotoluene	13.123	91	113285	20.846	ug/l		98
76) 1,3,5-Trimethylbenzene	13.170	105	123535	20.498	ug/l		97
77) t-1,4-Dichloro-2-butene	12.741	75	20433	22.917	ug/l		83
78) 4-Chlorotoluene	13.223	91	111997	21.037	ug/l		99
79) tert-butylbenzene	13.441	119	101728	19.604	ug/l		92
80) 1,2,4-Trimethylbenzene	13.482	105	124268	20.528	ug/l		96
81) sec-Butylbenzene	13.617	105	157409	21.641	ug/l		96
82) p-Isopropyltoluene	13.729	119	122513	21.300	ug/l		96
83) 1,3-Dichlorobenzene	13.735	146	60903	21.221	ug/l		97
84) 1,4-Dichlorobenzene	13.812	146	60543	20.989	ug/l		97
85) n-Butylbenzene	14.059	91	118283	22.514	ug/l		97
86) Hexachloroethane	14.335	117	23615	20.591	ug/l		74
87) 1,2-Dichlorobenzene	14.106	146	61468	21.505	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	10335	21.495	ug/l		83
89) 1,2,4-Trichlorobenzene	15.841	180	30838	19.594	ug/l		96
90) Hexachlorobutadiene	15.500	225	10643	18.258	ug/l		96
91) Naphthalene	15.641	128	120767	20.185	ug/l		98
92) 1,2,3-Trichlorobenzene	15.841	180	30838	19.594	ug/l		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

